

ENTERED

PCT09

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/10/018,094

DATE: 06/20/2002
 TIME: 13:42:47

Input Set : A:\Nephru-us.app
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3 <110> APPLICANT: Holthofer, Harry
 5 <120> TITLE OF INVENTION: The Use of Soluble Protein Molecules Expressed by the
 6 Pancreas and Kidney Glomerules
 8 <130> FILE REFERENCE: 9B17PC-US
 C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/018,094
 11 <141> CURRENT FILING DATE: 2000-06-15
 13 <150> PRIOR APPLICATION NUMBER: PCT/FI00/00540
 14 <151> PRIOR FILING DATE: 2000-06-15
 16 <150> PRIOR APPLICATION NUMBER: FI991369
 17 <151> PRIOR FILING DATE: 1999-06-15
 19 <160> NUMBER OF SEQ ID NOS: 7
 21 <170> SOFTWARE: PatentIn Ver. 2.1
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 25 <212> TYPE: DNA
 26 <213> ORGANISM: Rattus sp.
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 29 <223> OTHER INFORMATION: Molecule type: cDNA from mRNA
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 32 <223> OTHER INFORMATION: Tissue type: Pancreatic islets, kidney glomerulus
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 109 <400> SEQUENCE: 2

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117           35          40          45
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120           50          55          60
122 Ala Lys Asp Gly Leu Leu Leu Gly Pro Asp Pro Arg Ile Pro Gly Phe
123   65          70          75          80
125 Pro Arg Tyr Arg Leu Glu Gly Asp Pro Ala Arg Gly Glu Phe His Leu
126           85          90          95
128 Leu Ile Glu Ala Cys Asp Leu Ser Asp Asp Ala Glu Tyr Glu Cys Gln
129           100         105         110
131 Val Gly Arg Ser Glu Met Gly Pro Glu Leu Val Ser Pro Arg Val Ile
132           115         120         125
134 Leu Ser Ile Leu Val Pro Pro Lys Leu Leu Leu Leu Thr Pro Glu Ala
135           130         135         140
137 Gly Thr Met Val Thr Trp Val Ala Gly Gln Glu Tyr Val Val Asn Cys
138 145           150         155         160
140 Val Ser Gly Asp Ala Lys Pro Ala Pro Asp Ile Thr Ile Leu Leu Ser
141           165         170         175
143 Gly Gln Thr Ile Ser Asp Ile Ser Ala Asn Val Asn Glu Gly Ser Gln
144           180         185         190
146 Gln Lys Leu Phe Thr Val Glu Ala Thr Ala Arg Val Thr Pro Arg Ser
147           195         200         205
149 Ser Asp Asn Arg Gln Leu Leu Val Cys Glu Ala Ser Ser Pro Ala Leu
150           210         215         220
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153 225           230         235         240
155 Gly Pro Pro Val Ile Glu Trp Pro Gly Leu Asp Glu Gly His Val Arg
156           245         250         255
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159           260         265         270
161 Ile Ala Thr Leu Gln Trp Leu Lys Asn Gly Gln Pro Val Ser Thr Ala
162           275         280         285
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165           290         295         300
167 Thr Val Arg Pro Glu Asp His Gly Ala Gln Leu Ser Cys Glu Ala His
168 305           310         315         320
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171           325         330         335
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174           340         345         350
176 Glu Asn Lys Asn Val Thr Leu Ser Cys Val Ser Lys Ser Ser Arg Pro
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188	Cys Glu Ala Phe Ser Glu Ala Phe Thr Lys Glu Thr Phe Lys Lys Ser			
189	420	425	430	
191	Leu Ile Leu Asn Val Lys Tyr Pro Ala Gln Lys Leu Trp Ile Glu Gly			
192	435	440	445	
194	Pro Pro Glu Gly Gln Lys Leu Arg Ala Gly Thr Arg Val Arg Leu Val			
195	450	455	460	
197	Cys Leu Ala Ile Gly Gly Asn Pro Glu Pro Ser Leu Met Trp Tyr Lys			
198	465	470	475	480
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201	485	490	495	
203	Val His Leu Gly Ser Val Glu Lys Ser Gly Ser Thr Phe Ser Arg Glu			
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206	Leu Val Leu Val Thr Gly Pro Ser Asp Asn Gln Ala Lys Phe Thr Cys			
207	515	520	525	
209	Lys Ala Gly Gln Leu Ser Ala Ser Thr Gln Leu Ala Val Gln Phe Pro			
210	530	535	540	
212	Pro Thr Asn Val Thr Ile Leu Ala Asn Ala Ser Ala Leu Arg Pro Gly			
213	545	550	555	560
215	Asp Ala Leu Asn Leu Thr Cys Val Ser Val Ser Ser Asn Pro Pro Val			
216	565	570	575	
218	Asn Leu Ser Trp Asp Lys Glu Gly Glu Arg Leu Glu Gly Val Ala Ala			
219	580	585	590	
221	Pro Pro Arg Arg Ala Pro Phe Lys Gly Ser Ala Ala Ala Arg Ser Val			
222	595	600	605	
224	Leu Leu Gln Val Ser Ser Arg Asp His Gly Gln Arg Val Thr Cys Arg			
225	610	615	620	
227	Ala His Ser Ala Glu Leu Arg Glu Thr Val Ser Ser Phe Tyr Arg Leu			
228	625	630	635	640
230	Asn Val Leu Tyr Arg Pro Glu Phe Leu Gly Glu Gln Val Leu Val Val			
231	645	650	655	
233	Thr Ala Val Glu Gln Gly Glu Ala Leu Leu Pro Val Ser Val Ser Ala			
234	660	665	670	
236	Asn Pro Ala Pro Glu Ala Phe Asn Trp Thr Phe Arg Gly Tyr Arg Leu			
237	675	680	685	
239	Ser Pro Ala Gly Gly Pro Arg His Arg Ile Leu Ser Ser Gly Ala Leu			
240	690	695	700	
242	His Leu Trp Asn Val Thr Arg Ala Asp Asp Gly Leu Tyr Gln Leu His			
243	705	710	715	720
245	Cys Gln Asn Ser Glu Gly Thr Ala Glu Ala Arg Leu Arg Leu Asp Val			
246	725	730	735	
248	His Tyr Ala Pro Thr Ile Arg Ala Leu Gln Asp Pro Thr Glu Val Asn			
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251	Val Gly Gly Ser Val Asp Ile Val Cys Thr Val Asp Ala Asn Pro Ile			
252	755	760	765	
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 264 820 825 830
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 267 835 840 845
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 270 850 855 860
 272 Ala Arg Gly Val Pro Asn Ile Val Phe Thr Trp Thr Lys Asn Gly Val
 273 865 870 875 880
 275 Pro Leu Asp Leu Gln Asp Pro Arg Tyr Thr Glu His Thr Tyr His Gln
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 278 Gly Gly Val His Ser Ser Leu Leu Thr Ile Ala Asn Val Ser Ala Ala
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 282 915 920 925
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 303 1025 1030 1035 1040
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VERIFICATION SUMMARY

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L:10 M:270 C: Current Application Number differs, Replaced Current Application Number